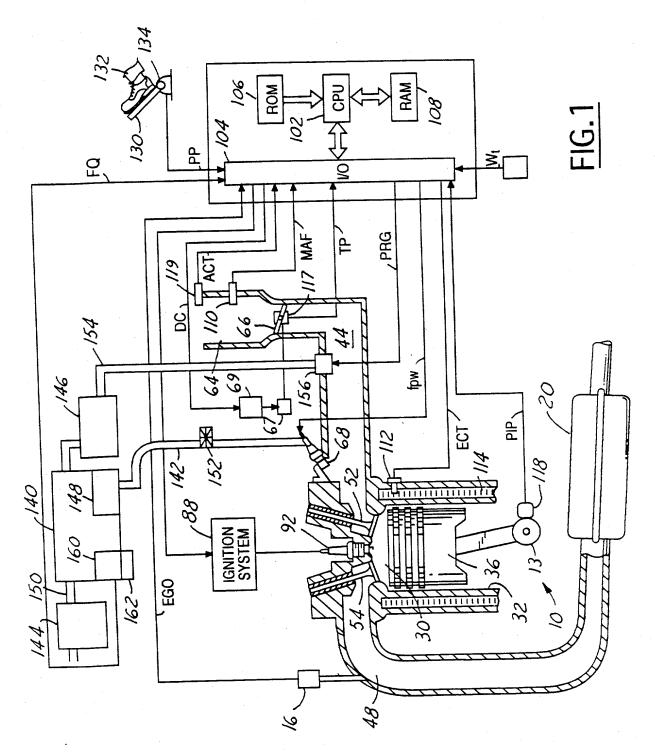
DEC 17 2002 LAND TRADE





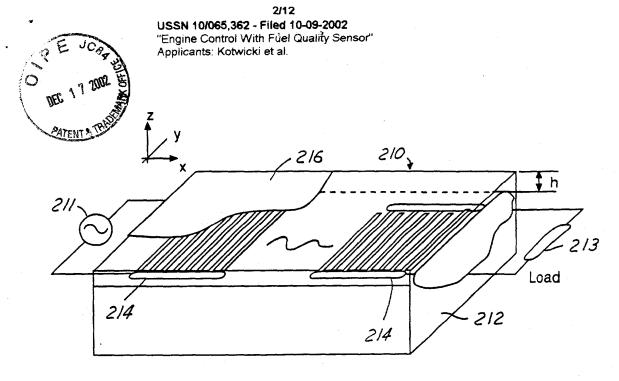
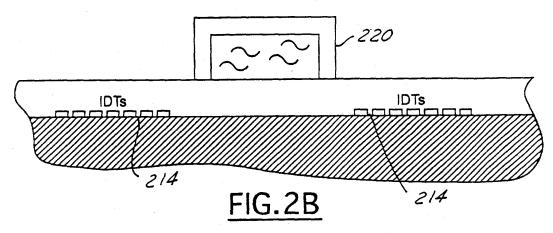
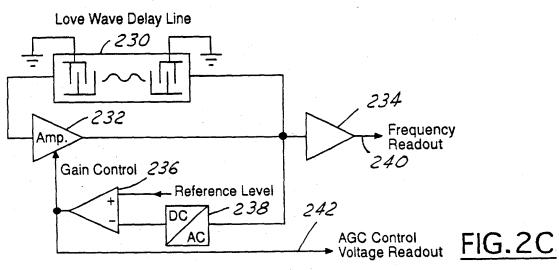


FIG.2A





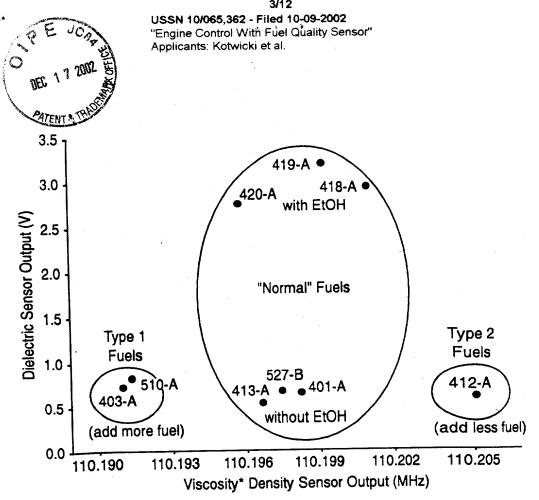
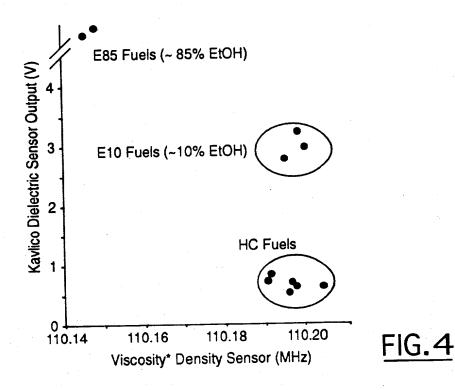


FIG. 3



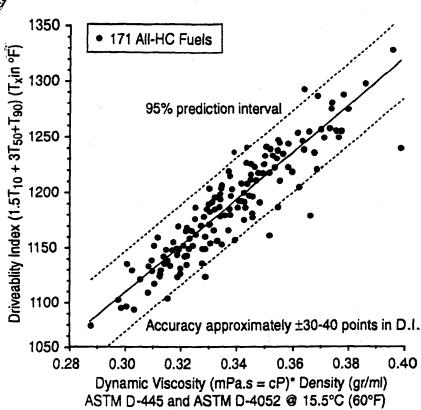
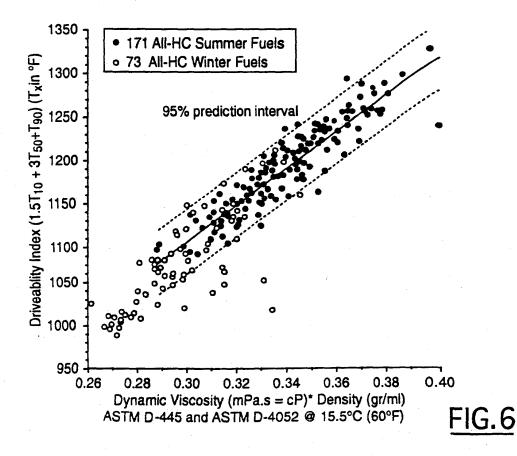


FIG.5



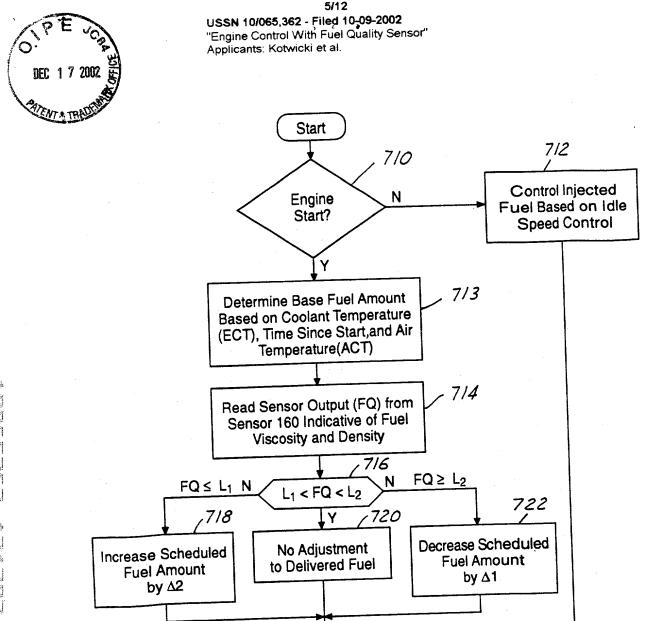


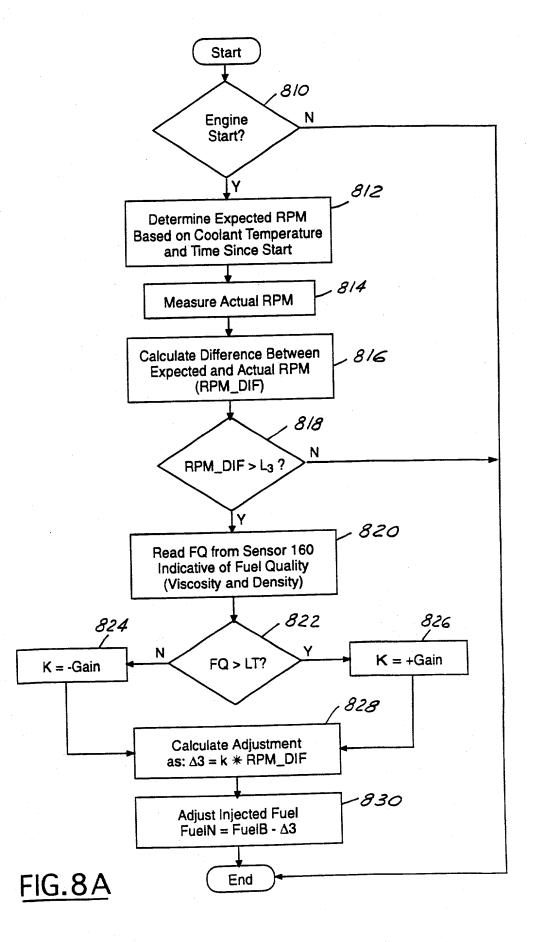
FIG. 7

Adjust Ignition
Timing Based on FQ

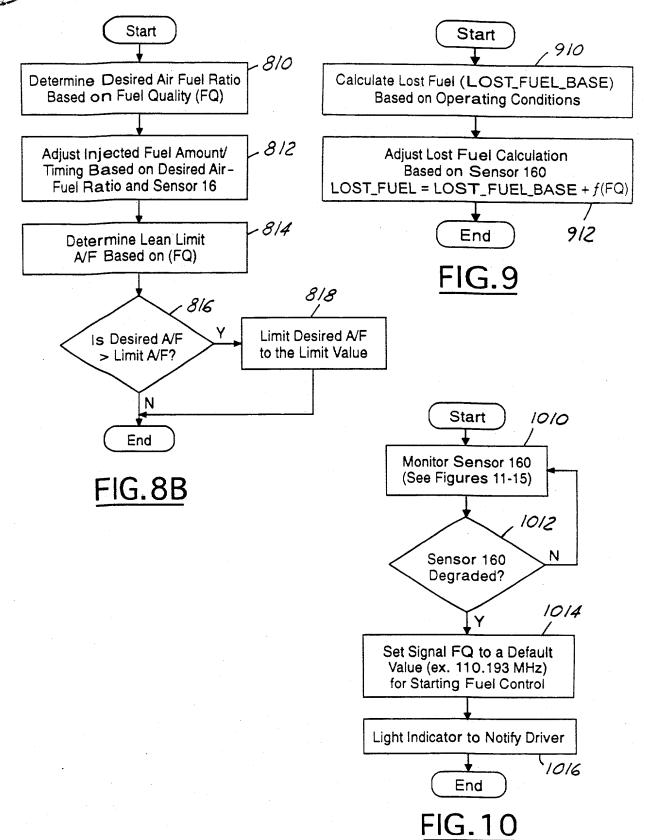
End

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DE 17 2002 ES

USSN 10/065,362 - Filed 10-09-2002

"Engine Control With Fuel Quality Sensor" Applicants: Kotwicki et al.

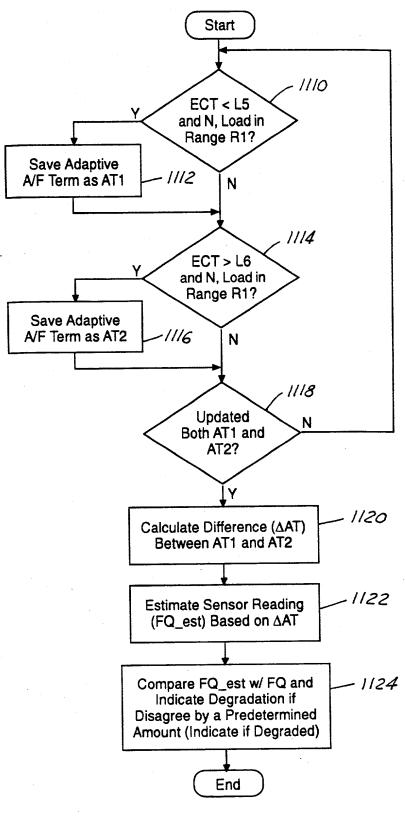


FIG. 11



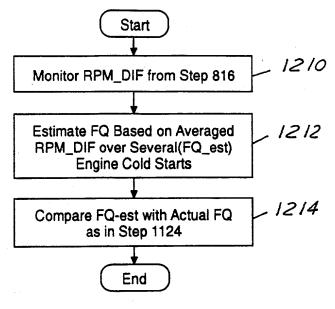
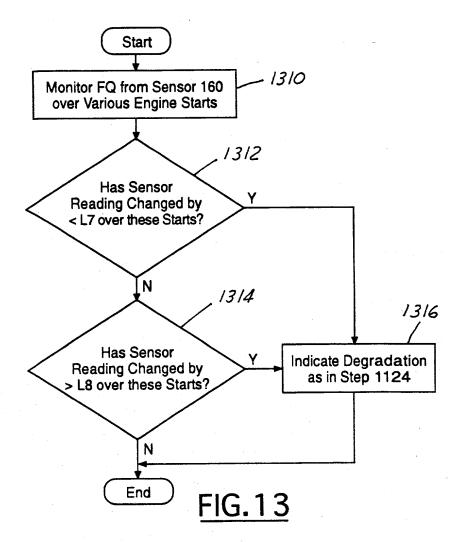
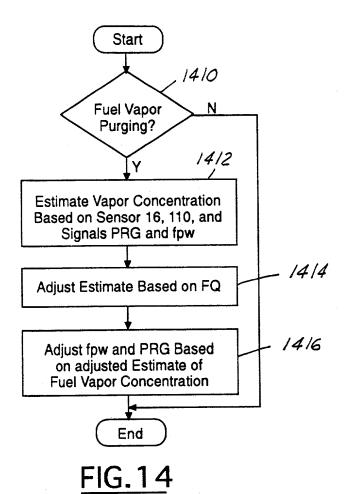


FIG. 12







Liquid Fuel [Gasoline]

Viscously-Entrained
Liquid

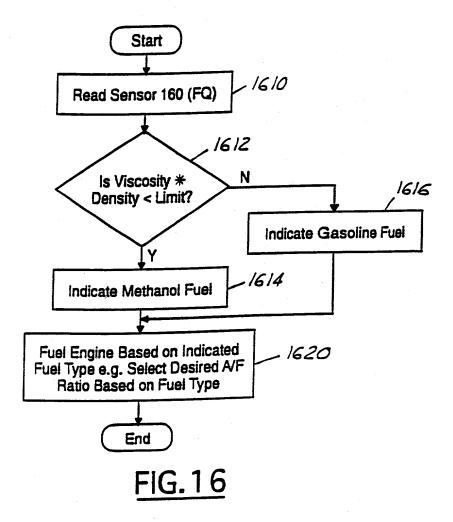
AT-Quartz

Displacement
UX (y)

Electrode

FIG. 15





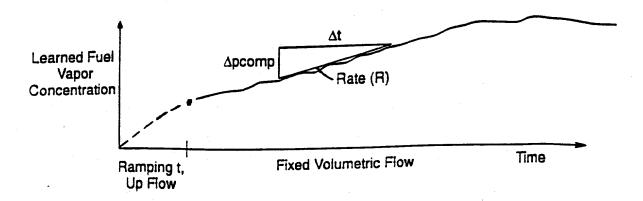


FIG. 17A



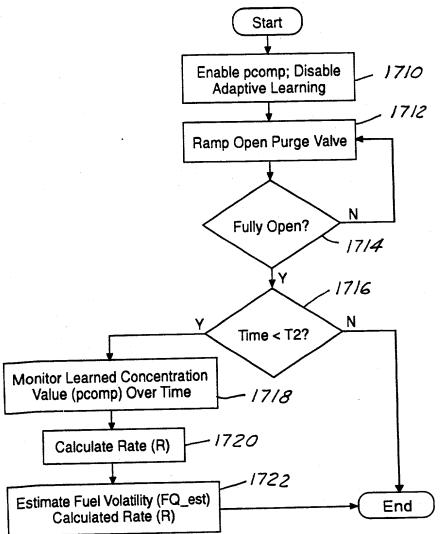


FIG. 17B